

## WMR-102

# WLAN ADSL2+ Router

Support TR-069



SparkLAN WLAN ADSL2+ router is your ideal all-in-one device. Capable of downstream data rate up to 24Mbps, the ADSL2+ Modem gives you a fast connection to the Internet. In the meantime, four 10/100 Base-T Ethernet and the USB port don't only provide wired broadband networking, but also the 802.11g WLAN AP offers wireless connectivity with up to 54Mbps. With the SparkLAN wireless ADSL2+ router, your computers are able to surfing the web, download music, file, video, play messengers.

### Reliable Security

SparkLAN ADSL2+ router provides reliable security features such as WPA, WPA2, simple firewall, and VPN pass through. It is designed for both residential and business applications that require wireless and wired connectivity to an ADSL broadband network. The ADSL2+ Router supports up to 16 contiguous virtual connections allowing for multiple simultaneous Internet connections.

#### WLAN AP Router Features

- Combine Broadband internet-sharing router, 4-port switch, and AP function
- WLAN IEEE802.11g up to 54 Mbps
- Four 10/100Mbps RJ45 ports for broadband connection
- Web-based management

#### DSL Modem Features

- Support TR-069 protocol (CPE WAN Management)
- ADSL 2+ downstream and upstream data rates up to 24Mbps and 1.3Mbps

#### Other Features

- RoHS Compliant
- Advanced security: WPA, WPA2, 802.1x
- Support simple firewall to protect user against hackers
- Support NAT to protect user against hackers

## FEATURES

- Support TR-069 protocol
- Compliant to the most updated ADSL2/2+ standards
- Support ADSL2+ downstream data rate of up to 24Mbps
- ATM Layer with Traffic Shaping QoS support.
- Built-in Quick Setup Wizard to easily establish ADSL connection
- Embedded Firewall feature for secure data communication
- IEEE 802.11g WLAN supports up to 54Mbps transmission rate
- Support WEP, WPA, WPA2 and 802.1X based Encryption
- Built-in 4 Ports 10/100Mbps Ethernet Switch
- Support UPnP specification
- Support VLAN functionality
- Hardware Reset button for fast default setting recovery
- Web-based Management, Configuration and Firmware Upgrade
- Support Dying Gasp functionality (Optional)
- Interoperable with all major DSLAMs

## PHYSICAL

PCB dimension: 16cm (L) X 12cm (W) X 1.6mm (H)

## HARDWARE INTERFACE

- One RJ-11 ADSL Connector
- Four RJ-45 LAN Connector
- One Reset Button for factory default setting recovery
- One Power adaptor connector
- One fixed 2.4GHz Antenna
- Status LED Indicator

## ENVIRONMENTAL

Temperature: +0 ~ +60  
Humidity: 10% ~ 90% RH

## APPROVALS

FCC Part 15 , CE , EN60950 (LVD) and K.21 – Main Board  
FCC Part 15.247, 15.205, 15.209 – RF System  
EN 300-328-2 ( ETSI 301 489-1, -17), CE-Mark – RF System

## SPECIFICATIONS

### ADSL

ANSI T1.413 i2, G.992.1 and G.992.2 ADSL standard compliant  
G.992.3 and G.992.5 ADSL2 and ADSL2+ standard compliant  
Downstream/Upstream data rate up to 24Mbps/1Mbps

### ATM

Support up to 8 distinct PVCs  
Support VC and LLC Multiplexing  
Support UBR, CBR, VBR-rt and VBR-nrt Traffic Shaping QoS  
Support ATM AAL5 adaptation functionality  
Support F4/F5 OAM Cells

### IEEE 802.11g WIRELESS

IEEE 802.11b/g standards compliant  
Support data rates up to 54Mbps ( Auto-Rate Capable )  
Support WEP/WPA/WPA2/802.1X Encryption for data security  
Support WDS feature

### ETHERNET INTERFACE

4 Port Switch Interface compliant with IEEE 802.3x standards  
Automatic MDI/MDIX crossover for 10/100 Base-T port  
Auto-negotiation and speed-auto-sensing support  
Support VLAN functionality

### BRIDGING/ROUTING

RFC2684 (RFC1483) – Bridged/Routed  
RFC2225 (RFC1577) – IPoA  
RFC2364 – PPPoA  
RFC2516 – PPPoE  
Support IEEE 802.1d Transparent Bridging  
NAT with extensive ALGs support  
Support Static Route  
Support RIP v1 and v2  
Support DHCP Server/Client/Relay  
Support DNS Proxy  
Support IGMP Proxy  
Support Port Mapping/Forwarding  
Support Port Triggering  
PAP and CHAP PPP Authentication

### SECURITY

Support IP Filtering  
Support Port Filtering  
Support DMZ  
Support MAC/Bridge Filtering  
Support URL Blocking  
Embedded firewall functionality

### NETWORK MANAGEMENT

Support IP QoS  
Web-based Control/Management  
Remote Access Control  
Remote Telnet  
SNMP v2 (Support TRAP)  
ATM PVC Remote Management  
Firmware upgrade via HTTP/TFTP/FTP  
Built-in diagnostic function  
System Log